CROSS - VALIDATION :-

We typically split data into Dtrain & Dteet.

We train model on Dtrain & we get the according on Dteet.

But we can't generalize this result on future data.

Because to evaluate / to do hyper parameter tuning we have used Drest here.

So we can't generalize the result on future conseen data-

So we need to have some ofher Edea.

We can split our data ento

Déresio Dev D Dtest

Da - cross validation data.

Dirain - the model.

Du - Hyper parameter tuning

Diet - Used as unseen data for generalization.

By splotting train Data into troin & CV, we work

1. D. troining. Hence for better performance

By splotting Some data for trooping. Hence for better performance k'-fold CY we use Accura Troops typically k=10 Az D_3 D₂ D, D, D. best

So, It is best practice to perform cross validation to find best hyperparameter.

best hyperparameter.